AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions of claims in the application.

1. (Currently Amended) A ~~stable meloxicam nanoparticulate composition~~ pharmaceutical dosage form suitable for intravenous injection comprising:

(a) a liquid dispersion medium;

(b) particles of meloxicam or a salt thereof having an effective average particle size of less than ~~about~~ 2000 nm; and

~~(b)~~ (c) ~~at least one~~ polyvinylpyrrolidone, sodium deoxycholate, or a combination of polyvinylpyrrolidone and sodium deoxycholate as surface stabilizers adsorbed on the surface of the meloxicam particles, wherein the surface stabilizer is essentially free of intermolecular cross-linkages~~,~~

~~wherein in comparative pharmacokinetic testing with a non-nanoparticulate formulation of meloxicam having the same dosage strength and form, the composition exhibits a shorter time to T_{max} when compared to the time to T_{max} of the non-nanoparticulate meloxicam formulation~~.

2. (Currently Amended) The ~~composition~~ pharmaceutical dosage form of claim 1, wherein the meloxicam is selected from the group consisting of a crystalline phase, an amorphous phase, and a semi-crystalline phase.

3. (Currently Amended) The ~~composition~~ pharmaceutical dosage form of claim 1, wherein the effective average particle size of the nanoparticulate meloxicam particles is selected from the group consisting of less than ~~about~~ 1500 nm, less than ~~about~~ 1000 nm, less than ~~about~~ 900 nm, less than ~~about~~ 800 nm, less than ~~about~~ 700 nm, less than ~~about~~ 600 nm, less than ~~about~~ 500 nm, less than ~~about~~ 400 nm, less than ~~about~~ 300 nm, less than ~~about~~ 250 nm, less than ~~about~~ 200 nm, less than ~~about~~ 100 nm, less than ~~about~~ 75 nm, and less than ~~about~~ 50 nm.

4.-5. (Cancelled)

6. (Currently Amended) The ~~composition~~ pharmaceutical dosage form of claim 1, wherein the ~~composition~~ pharmaceutical dosage form further comprises one or more pharmaceutically acceptable excipients, carriers, or a combination thereof.

7. (Currently Amended) The ~~composition~~ pharmaceutical dosage form of claim 1, wherein the meloxicam is present in an amount selected from the group consisting of from ~~about~~ 99.5% to ~~about~~ 0.001%, from ~~about~~ 95% to ~~about~~ 0.1%, and from ~~about~~ 90% to ~~about~~ 0.5%, by weight, based on the total combined weight of the meloxicam and at least one surface stabilizer, not including other excipients.

8. (Currently Amended) The ~~composition~~ pharmaceutical dosage form of claim 1, wherein the ~~at least one~~ surface stabilizer is present in an amount selected from the group consisting of from ~~about~~ 0.01% to ~~about~~ 99.5% by weight, from ~~about~~ 0.1% to ~~about~~ 95% by weight, and from ~~about~~ 0.5% to ~~about~~ 90% by weight, based on the total combined dry weight of meloxicam and at least one surface stabilizer, not including other excipients.

9.-15. (Cancelled)

16. (Currently Amended) The ~~composition~~ pharmaceutical dosage form of claim 1, wherein the C_{max} of the ~~composition~~ pharmaceutical dosage form, when assayed in the plasma of the mammalian subject, is selected from the group consisting of greater than ~~about~~ 1 g/mL, greater than ~~about~~ 3 g/mL, greater than ~~about~~ 5 g/mL, greater than ~~about~~ 10 g/mL, and greater than ~~about~~ 15 g/mL.

17. (Cancelled)

18. (Currently Amended) The ~~composition~~ pharmaceutical dosage form of claim 1, additionally comprising a meloxicam composition having an effective average particle size which is greater than ~~about~~ 2 microns.

19. (Currently Amended) The ~~composition~~ pharmaceutical dosage form of claim 1, additionally comprising at least one additional nanoparticulate meloxicam composition, having an effective average particle size of less than ~~about~~ 2 microns, wherein said additional nanoparticulate meloxicam composition has an effective average particle size which is different than particle size of the ~~nanoparticulate meloxicam composition~~ pharmaceutical dosage form of claim 1.

20. (Currently Amended) The ~~composition~~ pharmaceutical dosage form of claim 1, additionally comprising at least one non-meloxicam active agent selected from the group consisting of proteins, peptides, nucleotides, anti-obesity drugs, nutraceuticals, dietary supplements, carotenoids, corticosteroids, elastase inhibitors, anti-fungals, alkylxanthine, oncology therapies, anti-emetics, analgesics, opioids, antipyretics, cardiovascular agents, anti-inflammatory agents, anthelmintics, anti-arrhythmic agents, antibiotics, anticoagulants, antidepressants, antidiabetic agents, antiepileptics, antihistamines, antihypertensive agents, antimuscarinic agents, antimycobacterial agents, antineoplastic agents, immunosuppressants, antithyroid agents, antiviral agents, anxiolytics, sedatives, astringents, beta-adrenoceptor blocking agents, blood products, blood substitutes, cardiac inotropic agents, contrast media, corticosteroids, cough suppressants, diagnostic agents, diagnostic imaging agents, diuretics, dopaminergics, haemostatics, immunological agents, lipid regulating agents, muscle relaxants, parasympathomimetics, parathyroid calcitonin and biphosphonates, prostaglandins, radio-pharmaceuticals, sex hormones, anti-allergic agents, stimulants, anoretics, sympathomimetics, thyroid agents, Mu receptor antagonists, Kappa receptor antagonists, non-narcotic analgesics, monoamine uptake inhibitors, adenosine regulating agents, cannabinoid derivatives, Substance P antagonists, neurokinin-1 receptor antagonists, and sodium channel blockers.

21. (Currently Amended) The ~~composition~~ pharmaceutical dosage form of claim 20, wherein said nutraceutical is selected from the group consisting of lutein, folic acid, fatty acids, fruit extracts, vegetable extracts, vitamin supplements, mineral supplements, phosphatidylserine,

lipoic acid, melatonin, glucosamine/chondroitin, Aloe Vera, Guggul, glutamine, amino acids, green tea, lycopene, whole foods, food additives, herbs, phytonutrients, antioxidants, flavonoid constituents of fruits, evening primrose oil, flax seeds, fish oils, marine animal oils, and probiotics.

22. (Currently Amended) The ~~composition~~ pharmaceutical dosage form of claim 20, wherein said anti-inflammatory agent is a COX-2 inhibitor selected from the group consisting of celecoxib, rofecoxib, valdecoxib, parecoxib, MK-966, etoricoxib, 4-[5-(4-chlorophenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl)] benzenesulfonamide, N-(2-cyclohexyloxy-4-nitrophenyl)methane sulfonamide, methyl sulfone spiro(2.4)hept-5-ene I, SC-57666, celexcoxib, SC-558, SC-560, etodolac, 5,5-dimethyl-3-(3-fluorophenyl)-4-(4-methylsulfonyl)phenyl 2(5H)-furanone, MK-476, L-745337, L-761066, L-761000, L-748780, L-748731, 5-Bromo-2-(4-fluorophenyl)-3-(4-(methylsulfonyl)phenyl, 1-(7-tert.-butyl-2,3-dihydro-3,3-dimethylbenzo(b)furan-5-yl)-4-cyclopropylbutan-1-one, 3-formylamino-7-methylsulfonylamino-6-phenoxy-4H-1- benzopyran-4-one, BF 389, PD 136005, PD 142893, PD 145065, flurbiprofen, nimesulide, nabumetone, flosulide, piroxicam, dicofenac, COX-189, D 1367, 4 nitro 2 phenoxymethane sulfonanilide, (3 benzoyldifluoromethane sulfonanilide, diflumidone), JTE-522, 4'-Acetyl-2'-(2,4-difluorophenoxy)methanesulfonanilide, FK 867, FR 115068, GR 253035, RWJ 63556, RWJ 20485, ZK 38997, (E)-(5)-(3,5-di-tert-butyl-4-hydroxybenzylidene)-2-ethyl-1,2-isothiazolidine-1,1-dioxide indomethacin, CL 1004, RS 57067, RS 104894, SC 41930, SB 205312, SKB 209670, and Ono 1078.

23. (Currently Amended) The ~~composition~~ pharmaceutical dosage form of claim 20, wherein said non-meloxicam active agent is selected from the group consisting of aceclofenac, acemetacin, e-acetamidocaproic acid, acetaminophen, acetaminosalol, acetanilide, acetylsalicylic acid, S-adenosylmethionine, alclofenac, alfentanil, allylprodine, alminoprofen, aloxiprin, alphaprodine, aluminum bis(acetylsalicylate), amfenac, aminochlorthenoxazin, 3-amino-4-hydroxybutyric acid, 2-amino-4-picoline, aminopropylon, aminopyrine, amixetrine, ammonium

salicylate, ampiroxicam, amtolmetin guacil, anileridine, antipyrine, antipyrine salicylate, antrafenine, apazone, bendazac, benorylate, benoxaprofen, benzpiperylon, benzydamine, benzylmorphine, bermoprofen, bezitramide, -bisabolol, bromfenac, p-bromoacetanilide, 5-bromosalicylic acid acetate, bromosaligenin, bucetin, bucloxic acid, bucolome, bufexamac, bumadizon, buprenorphine, butacetin, butibufen, butophanol, calcium acetylsalicylate, carbamazepine, carbiphene, carprofen, carsalam, chlorobutanol, chlorthenoxazin, choline salicylate, cinchophen, cinmetacin, ciramadol, clidanac, clometacin, clonitazene, clonixin, clopirac, clove, codeine, codeine methyl bromide, codeine phosphate, codeine sulfate, cropropamide, crotethamide, desomorphine, dexoxadrol, dextromoramide, dezocine, diampromide, diclofenac sodium, difenamizole, difenpiramide, diflunisal, dihydrocodeine, dihydrocodeinone enol acetate, dihydromorphine, dihydroxyaluminum acetylsalicylate, dimenoxadol, dimepheptanol, dimethylthiambutene, dioxaphetyl butyrate, dipipanone, diprocetyl, dipyrone, ditazol, droxicam, emorfazone, enfenamic acid, epirizole, eptazocine, etersalate, ethenzamide, ethoheptazine, ethoxazene, ethylmethylthiambutene, ethylmorphine, etodolac, etofenamate, etonitazene, eugenol, felbinac, fenbufen, fenclozic acid, fendosal, fenoprofen, fentanyl, fentiazac, fepradinol, feprazone, floctafenine, flufenamic acid, flunoxaprofen, fluoresone, flupirtine, fluproquazone, flurbiprofen, fosfosal, gentisic acid, glafenine, glucametacin, glycol salicylate, guaiazulene, hydrocodone, hydromorphone, hydroxypethidine, ibufenac, ibuprofen, ibuproxam, imidazole salicylate, indomethacin, indoprofen, isofezolac, isoladol, isomethadone, isonixin, isoxepac, isoxicam, ketobemidone, ketoprofen, ketorolac, p-lactophenetide, lefetamine, levorphanol, lofentanil, lonazolac, lomoxicam, loxoprofen, lysine acetylsalicylate, magnesium acetylsalicylate, meclofenamic acid, mefenamic acid, meperidine, meptazinol, mesalamine, metazocine, methadone hydrochloride, methotrimeprazine, metiazinic acid, metofoline, metopon, mofebutazone, mofezolac, morazone, morphine, morphine hydrochloride, morphine sulfate, morpholine salicylate, myrophine, nabumetone, nalbuphine, 1-naphthyl salicylate, naproxen, narceine, nefopam, nicomorphine, nifenazone, niflumic acid, nimesulide, 5'-nitro-2'-propoxyacetanilide, norlevorphanol,

normethadone, normorphine, norpipanone, olsalazine, opium, oxaceprol, oxametacine, oxaprozin, oxycodone, oxymorphone, oxyphenbutazone, papaveretum, paranyline, parsalmide, pentazocine, perisoxal, phenacetin, phenadoxone, phenazocine, phenazopyridine hydrochloride, phenocoll, phenoperidine, phenopyrazone, phenyl acetylsalicylate, phenylbutazone, phenyl salicylate, phenyramidol, piketoprofen, piminodine, pipebuzone, piperylone, piprofen, pirazolac, piritramide, piroxicam, pranoprofen, proglumetacin, proheptazine, promedol, propacetamol, propiram, propoxyphene, propyphenazone, proquazone, protizinic acid, ramifenazone, remifentanil, rimazolium metilsulfate, salacetamide, salicin, salicylamide, salicylamide o-acetic acid, salicylsulfuric acid, salsalte, salverine, simetride, sodium salicylate, sufentanil, sulfasalazine, sulindac, superoxide dismutase, suprofen, suxibuzone, talniflumate, tenidap, tenoxicam, terofenamate, tetrandrine, thiazolinobutazone, tiaprofenic acid, tiaramide, tilidine, tinoridine, tolfenamic acid, tolmetin, tramadol, tropesin, viminol, xenbucin, ximoprofen, zaltoprofen, and zomepirac.

24. (Currently Amended) The ~~composition~~ pharmaceutical dosage form of any of claims 20, 21, 22, or 23, wherein the at least one [[the]] non-meloxicam active agent[[s]] has an effective average particle size of less than ~~about~~ 2 microns.

25. (Currently Amended) The ~~composition~~ pharmaceutical dosage form of any of 20, 21, 22, or 23, wherein the at least one [[the]] non-meloxicam active agent[[s]] is a conventional particle sized active agent.

26. (Withdrawn) A method of making a nanoparticulate composition comprising contacting meloxicam particles with at least one surface stabilizer for a time and under conditions sufficient to provide a nanoparticulate meloxicam composition having an effective average particle size of less than about 2000 nm, wherein the surface stabilizer is essentially free of intermolecular cross-linkages, and wherein in comparative pharmacokinetic testing with a non-nanoparticulate formulation of meloxicam having the same dosage strength and form, the

nanoparticulate composition exhibits a shorter time to T_{max} when compared to the time to T_{max} of the non-nanoparticulate meloxicam formulation.

27. (Withdrawn) The method of claim 26, wherein said contacting comprises grinding.

28. (Withdrawn) The method of claim 27, wherein said grinding comprises wet grinding.

29. (Withdrawn) The method of claim 26, wherein said contacting comprises homogenizing.

30. (Withdrawn) The method of claim 26, wherein said contacting comprises:

(a) dissolving the meloxicam particles in a solvent;

(b) adding the resulting meloxicam solution to a solution comprising at least one surface stabilizer; and

(c) precipitating the solubilized meloxicam having at least one surface stabilizer associated with the surface thereof by the addition thereto of a non-solvent.

31. (Withdrawn) The method of claim 26, wherein the meloxicam is selected from the group consisting of a crystalline phase, an amorphous phase, and a semi-crystalline phase.

32. (Withdrawn) The method of claim 26, wherein the effective average particle size of the nanoparticulate meloxicam particles is selected from the group consisting of less than about 1500 nm, less than about 1000 nm, less than about 900 nm, less than about 800 nm, less than about 700 nm, less than about 600 nm, less than about 500 nm, less than about 400 nm, less than about 300 nm, less than about 250 nm, less than about 200 nm, less than about 100 nm, less than about 75 nm, and less than about 50 nm.

33. (Withdrawn) The method of claim 26, wherein the composition is formulated for an administration form selected from the group consisting of oral, pulmonary, rectal, opthalmic, colonic, parenteral, intracisternal, intravaginal, intraperitoneal, local, buccal, nasal, and topical administration.

34. (Withdrawn) The method of claim 26, wherein the composition is formulated into a dosage form selected from the group consisting of liquid dispersions, gels, aerosols, ointments, creams, controlled release formulations, fast melt formulations, lyophilized formulations, tablets, capsules, delayed release formulations, extended release formulations, pulsatile release formulations, and mixed immediate release and controlled release formulations.

35. (Withdrawn) The method of claim 26, wherein the composition further comprises one or more pharmaceutically acceptable excipients, carriers, or a combination thereof.

36. (Withdrawn) The method of claim 26, wherein the meloxicam is present in an amount selected from the group consisting of from about 99% to about 0.001%, from about 95% to about 0.5%, and from about 90% to about 0.5%, by weight, based on the total combined weight of the meloxicam and at least one surface stabilizer, not including other excipients.

37. (Withdrawn) The method of claim 26, wherein at least one surface stabilizer is present in an amount selected from the group consisting of from about 0.01% to about 99.5% by weight, from about 0.1% to about 95% by weight, and from about 0.5% to about 90% by weight, based on the total combined dry weight of the meloxicam and at least one surface stabilizer, not including other excipients.

38. (Withdrawn) The method of claim 26, comprising at least one primary surface stabilizer and at least one secondary surface stabilizer.

39. (Withdrawn) The method of claim 26, wherein the surface stabilizer is selected from the group consisting of an anionic surface stabilizer, a cationic surface stabilizer, and an ionic surface stabilizer.

40. (Withdrawn) The method of claim 39, wherein at least one surface stabilizer is selected from the group consisting of cetyl pyridinium chloride, gelatin, casein, phosphatides, dextran, glycerol, gum acacia, cholesterol, tragacanth, stearic acid, benzalkonium chloride, calcium stearate, glycerol monostearate, cetostearyl alcohol, cetomacrogol emulsifying wax, sorbitan esters, polyoxyethylene alkyl ethers, polyoxyethylene castor oil derivatives, polyoxyethylene sorbitan fatty acid esters, polyethylene glycols, dodecyl trimethyl ammonium bromide, polyoxyethylene stearates, colloidal silicon dioxide, phosphates, sodium dodecylsulfate, carboxymethylcellulose calcium, hydroxypropyl celluloses, hydroxypropyl methylcellulose, carboxymethylcellulose sodium, methylcellulose, hydroxyethylcellulose, hydroxypropylmethyl-cellulose phthalate, noncrystalline cellulose, magnesium aluminum silicate, triethanolamine, polyvinyl alcohol, polyvinylpyrrolidone, 4-(1,1,3,3-tetramethylbutyl)-phenol polymer with ethylene oxide and formaldehyde, poloxamers; poloxamines, a charged phospholipid, dioctylsulfosuccinate, dialkylesters of sodium sulfosuccinic acid, sodium lauryl sulfate, alkyl aryl polyether sulfonates, mixtures of sucrose stearate and sucrose distearate, $C_{18}H_{37}CH_2C(O)N(CH_3)\text{-}CH_2$ $(CHOH)_4(CH_2OH)_2$, p-isononylphenoxypoly-(glycidol), decanoyl-N-methylglucamide; n-decyl -D-glucopyranoside; n-decyl -D-maltopyranoside; n-dodecyl -D-glucopyranoside; n-dodecyl -D-maltoside; heptanoyl-N-methylglucamide; n-heptyl--D-glucopyranoside; n-heptyl -D-thioglucoside; n-hexyl -D-glucopyranoside; nonanoyl-N-methylglucamide; n-noyl -D-glucopyranoside; octanoyl-N-methylglucamide; n-octyl--D-glucopyranoside; octyl -D-thioglucopyranoside; lysozyme, PEG-phospholipid, PEG-cholesterol, PEG-cholesterol derivative, PEG-vitamin A, PEG-vitamin E, and random copolymers of vinyl acetate and vinyl pyrrolidone.

41. (Withdrawn) The method of claim 39, wherein at least one cationic surface stabilizer is selected from the group consisting of a polymer, a biopolymer, a polysaccharide, a cellulosic, an alginate, a nonpolymeric compound, and a phospholipid.

42. (Withdrawn) The method of claim 39, wherein the surface stabilizer is selected from the group consisting of cationic lipids, polymethylmethacrylate trimethylammonium bromide, sulfonium compounds, polyvinylpyrrolidone-2-dimethylaminoethyl methacrylate dimethyl sulfate, hexadecyltrimethyl ammonium bromide, phosphonium compounds, quarternary ammonium compounds, benzyl-di(2-chloroethyl)ethylammonium bromide, coconut trimethyl ammonium chloride, coconut trimethyl ammonium bromide, coconut methyl dihydroxyethyl ammonium chloride, coconut methyl dihydroxyethyl ammonium bromide, decyl triethyl ammonium chloride, decyl dimethyl hydroxyethyl ammonium chloride, decyl dimethyl hydroxyethyl ammonium chloride bromide, $C_{12\text{-}15}$dimethyl hydroxyethyl ammonium chloride, $C_{12\text{-}15}$dimethyl hydroxyethyl ammonium chloride bromide, coconut dimethyl hydroxyethyl ammonium chloride, coconut dimethyl hydroxyethyl ammonium bromide, myristyl trimethyl ammonium methyl sulphate, lauryl dimethyl benzyl ammonium chloride, lauryl dimethyl benzyl ammonium bromide, lauryl dimethyl $(ethenoxy)_4$ ammonium chloride, lauryl dimethyl $(ethenoxy)_4$ ammonium bromide, N-alkyl $(C_{12\text{-}18})$dimethylbenzyl ammonium chloride, N-alkyl $(C_{14\text{-}18})$dimethyl-benzyl ammonium chloride, N-tetradecylidmethylbenzyl ammonium chloride monohydrate, dimethyl didecyl ammonium chloride, N-alkyl and $(C_{12\text{-}14})$ dimethyl 1-napthylmethyl ammonium chloride, trimethylammonium halide, alkyl-trimethylammonium salts, dialkyl-dimethylammonium salts, lauryl trimethyl ammonium chloride, ethoxylated alkyamidoalkyldialkylammonium salt, an ethoxylated trialkyl ammonium salt, dialkylbenzene dialkylammonium chloride, N-didecyldimethyl ammonium chloride, N-tetradecyldimethylbenzyl ammonium, chloride monohydrate, N-alkyl$(C_{12\text{-}14})$ dimethyl 1-naphthylmethyl ammonium chloride, dodecyldimethylbenzyl ammonium chloride, dialkyl benzenealkyl ammonium chloride, lauryl trimethyl ammonium chloride, alkylbenzyl methyl ammonium chloride, alkyl benzyl

dimethyl ammonium bromide, C_{12} trimethyl ammonium bromides, C_{15} trimethyl ammonium bromides, C_{17} trimethyl ammonium bromides, dodecylbenzyl triethyl ammonium chloride, poly-diallyldimethylammonium chloride (DADMAC), dimethyl ammonium chlorides, alkyldimethylammonium halogenides, tricetyl methyl ammonium chloride, decyltrimethylammonium bromide, dodecyltriethylammonium bromide, tetradecyltrimethylammonium bromide, methyl trioctylammonium chloride, polyquaternium 10, tetrabutylammonium bromide, benzyl trimethylammonium bromide, choline esters, benzalkonium chloride, stearalkonium chloride compounds, cetyl pyridinium bromide, cetyl pyridinium chloride, halide salts of quaternized polyoxyethylalkylamines, quaternized ammonium salt polymers, alkyl pyridinium salts; amines, amine salts, amine oxides, imide azolinium salts, protonated quaternary acrylamides, methylated quaternary polymers, and cationic guar.

43. (Withdrawn) The method of claim 26, wherein after preparation of a first nanoparticulate meloxicam composition, a second meloxicam composition having an effective average particle size of greater than about 2 microns is combined with the first nanoparticulate meloxicam composition.

44. (Withdrawn) The method of claim 26, wherein either prior to or subsequent to preparation of the nanoparticulate meloxicam composition, at least one non-meloxicam active agent is added to the meloxicam composition, wherein said non-meloxicam active agent is selected from the group consisting of proteins, peptides, nucleotides, anti-obesity drugs, nutraceuticals, dietary supplements, carotenoids, corticosteroids, elastase inhibitors, anti-fungals, alkylxanthine, oncology therapies, anti-emetics, analgesics, opioids, antipyretics, cardiovascular agents, anti-inflammatory agents, anthelmintics, anti-arrhythmic agents, antibiotics, anticoagulants, antidepressants, antidiabetic agents, antiepileptics, antihistamines, antihypertensive agents, antimuscarinic agents, antimycobacterial agents, antineoplastic agents, immunosuppressants, antithyroid agents, antiviral agents, anxiolytics, sedatives, astringents, beta-

adrenoceptor blocking agents, blood products, blood substitutes, cardiac inotropic agents, contrast media, corticosteroids, cough suppressants, diagnostic agents, diagnostic imaging agents, diuretics, dopaminergics, haemostatics, immunological agents, lipid regulating agents, muscle relaxants, parasympathomimetics, parathyroid calcitonin and biphosphonates, prostaglandins, radio- pharmaceuticals, sex hormones, anti-allergic agents, stimulants, anoretics, sympathomimetics, thyroid agents, Mu receptor antagonists, Kappa receptor antagonists, non-narcotic analgesics, monoamine uptake inhibitors, adenosine regulating agents, cannabinoid derivatives, Substance P antagonists, neurokinin-1 receptor antagonists, and sodium channel blockers.

45. (Withdrawn) The method of claim 44, wherein said nutraceutical is selected from the group consisting of lutein, folic acid, fatty acids, fruit extracts, vegetable extracts, vitamin supplements, mineral supplements, phosphatidylserine, lipoic acid, melatonin, glucosamine/chondroitin, Aloe Vera, Guggul, glutamine, amino acids, green tea, lycopene, whole foods, food additives, herbs, phytonutrients, antioxidants, flavonoid constituents of fruits, evening primrose oil, flax seeds, fish oils, marine animal oils, and probiotics.

46. (Withdrawn) The method of claim 44, wherein said anti-inflammatory agent is a COX-2 inhibitor selected from the group consisting of celecoxib, rofecoxib, valdecoxib, parecoxib, MK-966, etoricoxib, 4-[5-(4-chlorophenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl)] benzenesulfonamide, N-(2-cyclohexyloxy-4-nitrophenyl)methane sulfonamide, methyl sulfone spiro(2.4)hept-5-ene I, SC-57666, celexcoxib, SC-558, SC-560, etodolac, 5,5-dimethyl-3-(3-fluorophenyl)-4-(4-methylsulfonyl)phenyl 2(5H)-furanone, MK-476, L-745337, L-761066, L-761000, L-748780, L-748731, 5-Bromo-2-(4-fluorophenyl)-3-(4-(methylsulfonyl)phenyl, 1-(7-tert.-butyl-2,3-dihydro-3,3-dimethylbenzo(b)furan-5-yl)-4-cyclopropylbutan-1-one, 3-formylamino-7-methylsulfonylamino-6-phenoxy-4H-1- benzopyran-4-one, BF 389, PD 136005, PD 142893, PD 145065, flurbiprofen, nimesulide, nabumetone, flosulide, piroxicam, dicofenac, COX-189, D 1367, 4 nitro 2 phenoxymethane sulfonanilide, (3 benzoyldifluoromethane

sulfonanilide, diflumidone), JTE-522, 4'-Acetyl-2'-(2,4-difluorophenoxy)methanesulfonanilide, FK 867, FR 115068, GR 253035, RWJ 63556, RWJ 20485, ZK 38997, (E)-(5)-(3,5-di-tert-butyl-4-hydroxybenzylidene)-2-ethyl-1,2-isothiazolidine-1,1-dioxide indomethacin, CL 1004, RS 57067, RS 104894, SC 41930, SB 205312, SKB 209670, and Ono 1078.

47. (Withdrawn) The method of claim 44, whercin said non-meloxicam active agent is selected from the group consisting of acceclofenac, acemetacin, e-acetamidocaproic acid, acetaminophen, acetaminosalol, acetanilide, acetylsalicylic acid, S-adenosylmethionine, alclofenac, alfentanil, allylprodine, alminoprofen, aloxiprin, alphaprodine, aluminum bis(acetylsalicylate), amfenac, aminochlorthenoxazin, 3-amino-4-hydroxybutyric acid, 2-amino-4-picoline, aminopropylon, aminopyrine, amixetrine, ammonium salicylate, ampiroxicam, amtolmetin guacil, anileridine, antipyrine, antipyrine salicylate, antrafenine, apazone, bendazac, benorylate, benoxaprofen, benzpiperylon, benzydamine, benzylmorphine, bermoprofen, bezitramide, -bisabolol, bromfenac, p-bromoacetanilide, 5-bromosalicylic acid acetate, bromosaligenin, bucetin, bucloxic acid, bucolome, bufexamac, bumadizon, buprenorphine, butacetin, butibufen, butophanol, calcium acetylsalicylate, carbamazepine, carbiphene, carprofen, carsalam, chlorobutanol, chlorthenoxazin, choline salicylate, cinchophen, cinmetacin, ciramadol, clidanac, clometacin, clonitazene, clonixin, clopirac, clove, codeine, codeine methyl bromide, codeine phosphate, codeine sulfate, cropropamide, crotethamide, desomorphine, dexoxadrol, dextromoramide, dezocine, diampromide, diclofenac sodium, difenamizole, difenpiramide, diflunisal, dihydrocodeine, dihydrocodeinone enol acetate, dihydromorphine, dihydroxyaluminum acetylsalicylate, dimenoxadol, dimepheptanol, dimethylthiambutene, dioxaphetyl butyrate, dipipanone, diprocetyl, dipyrone, ditazol, droxicam, emorfazone, enfenamic acid, epirizole, eptazocine, etersalate, ethenzamide, ethoheptazine, ethoxazene, ethylmethylthiambutene, ethylmorphine, etodolac, etofenamate, etonitazene, eugenol, felbinac, fenbufen, fenclozic acid, fendosal, fenoprofen, fentanyl, fentiazac, fepradinol, feprazone, floctafenine, flufenamic acid, flunoxaprofen, fluoresone, flupirtine, fluproquazone, flurbiprofen, fosfosal, gentisic acid, glafenine, glucametacin, glycol salicylate, guaiazulene, hydrocodone,

hydromorphone, hydroxypethidine, ibufenac, ibuprofen, ibuproxam, imidazole salicylate, indomethacin, indoprofen, isofezolac, isoladol, isomethadone, isonixin, isoxepac, isoxicam, ketobemidone, ketoprofen, ketorolac, p-lactophenetide, lefetamine, levorphanol, lofentanil, lonazolac, lomoxicam, loxoprofen, lysine acetylsalicylate, magnesium acetylsalicylate, meclofenamic acid, mefenamic acid, meperidine, meptazinol, mesalamine, metazocine, methadone hydrochloride, methotrimeprazine, metiazinic acid, metofoline, metopon, mofebutazone, mofezolac, morazone, morphine, morphine hydrochloride, morphine sulfate, morpholine salicylate, myrophine, nabumetone, nalbuphine, 1-naphthyl salicylate, naproxen, narceine, nefopam, nicomorphine, nifenazone, niflumic acid, nimesulide, 5'-nitro-2'-propoxyacetanilide, norlevorphanol, normethadone, normorphine, norpipanone, olsalazine, opium, oxaceprol, oxametacine, oxaprozin, oxycodone, oxymorphone, oxyphenbutazone, papaveretum, paranyline, parsalmide, pentazocine, perisoxal, phenacetin, phenadoxone, phenazocine, phenazopyridine hydrochloride, phenocoll, phenoperidine, phenopyrazone, phenyl acetylsalicylate, phenylbutazone, phenyl salicylate, phenyramidol, piketoprofen, piminodine, pipebuzone, piperylone, piprofen, pirazolac, piritramide, piroxicam, pranoprofen, proglumetacin, proheptazine, promedol, propacetamol, propiram, propoxyphene, propyphenazone, proquazone, protizinic acid, ramifenazone, remifentanil, rimazolium metilsulfate, salacetamide, salicin, salicylamide, salicylamide o-acetic acid, salicylsulfuric acid, salsalte, salverine, simetride, sodium salicylate, sufentanil, sulfasalazine, sulindac, superoxide dismutase, suprofen, suxibuzone, talniflumate, tenidap, tenoxicam, terofenamate, tetrandrine, thiazolinobutazone, tiaprofenic acid, tiaramide, tilidine, tinoridine, tolfenamic acid, tolmetin, tramadol, tropesin, viminol, xenbucin, ximoprofen, zaltoprofen, and zomepirac.

48. (Withdrawn) The method of any of claims 44, 45, 46, or 47, wherein at least one non-meloxicam active agent has an effective average particle size of less than about 2 microns.

49. (Withdrawn) The method of any of claims 44, 45, 46, or 47, wherein at least one non-meloxicam active agent has an effective average particle size of greater than about 2 microns.

50. (Currently Amended) A method of treating a subject in need ~~with a nanoparticulate meloxicam formulation~~ comprising ~~administering~~ intravenously injecting to the subject an effective amount of a ~~nanoparticulate composition~~ pharmaceutical dosage form comprising:

(a) a liquid dispersion medium;

(b) ~~meloxicam~~ particles of meloxicam or a salt thereof; and

(c) ~~at least one~~ polyvinylpyrrolidone, sodium deoxycholate, or a combination of polyvinylpyrrolidone and sodium deoxycholate as surface stabilizers,

wherein the surface stabilizer is essentially free of intermolecular cross-linkages, and wherein the meloxicam particles have an effective average particle size of less than ~~about~~ 2000 nm~~, and wherein in comparative pharmacokinetic testing with a non-nanoparticulate formulation of meloxicam having the same dosage strength and form, the nanoparticulate composition exhibits a shorter time to T_{max} when compared to the time to T_{max} of the non-nanoparticulate meloxicam formulation~~.

51. (Previously Presented) The method of claim 50, wherein the meloxicam is selected from the group consisting of a crystalline phase, an amorphous phase, and a semi-crystalline phase.

52. (Currently Amended) The method of claim 50, wherein the effective average particle size of the nanoparticulate meloxicam particles is selected from the group consisting of less than ~~about~~ 1500 nm, less than ~~about~~ 1000 nm, less than ~~about~~ 900 nm, less than ~~about~~ 800 nm, less than ~~about~~ 700 nm, less than ~~about~~ 600 nm, less than ~~about~~ 500 nm, less than ~~about~~ 400 nm, less than ~~about~~ 300 nm, less than ~~about~~ 250 nm, less than ~~about~~ 200 nm, less than ~~about~~ 100 nm, less than ~~about~~ 75 nm, and less than ~~about~~ 50 nm.

53.-54. (Cancelled)

55. (Currently Amended) The method of claim 50, wherein the ~~composition~~ pharmaceutical dosage form further comprises one or more pharmaceutically acceptable excipients, carriers, or a combination thereof.

56. (Currently Amended) The method of claim 50, wherein the meloxicam is present in an amount selected from the group consisting of from ~~about~~ 99% to ~~about~~ 0.001%, from ~~about~~ 95% to ~~about~~ 0.5%, and from ~~about~~ 90% to ~~about~~ 0.5%, by weight, based on the total combined weight of the meloxicam and at least one surface stabilizer, not including other excipients.

57. (Currently Amended) The method of claim 50, wherein at least one surface stabilizer is present in an amount selected from the group consisting of from ~~about~~ 0.01% to ~~about~~ 99.5% by weight, from ~~about~~ 0.1% to ~~about~~ 95% by weight, and from ~~about~~ 0.5% to ~~about~~ 90% by weight, based on the total combined dry weight of meloxicam and at least one surface stabilizer, not including other excipients.

58.-63. (Cancelled)

64. (Currently Amended) The method of claim 50, wherein the C_{max} of the ~~nanoparticulate composition~~ pharmaceutical dosage form, when assayed in the plasma of the mammalian subject, is selected from the group consisting of greater than ~~about~~ 1 g/mL, greater than ~~about~~ 3 g/mL, greater than ~~about~~ 5 g/mL, greater than ~~about~~ 10 g/mL, and greater than ~~about~~ 15 g/mL.

65. (Previously Presented) The method of claim 50, wherein the method is used to treat a condition selected from the group consisting of conditions in which NSAIDs are contraindicated, arthritic disorders, gastrointestinal conditions, inflammatory conditions, pulmonary inflammation, opthalmic diseases, central nervous systems disorders, pain, fever, inflammation-related cardiovascular disorders, angiogenesis-related disorders, benign tumors,

malignant tumors, adenomatous polyps, endometriosis, osteoporosis, dysmenorrhea, premature labor, asthma, fibrosis which occurs with radiation treatment, eosinophil-related disorders, pyrexia, bone resorption, nephrotoxicity, hypotension, arthrosis, joint stiffness, kidney disease, liver disease, acute mastitis, diarrhea, colonic adenomas, bronchitis, allergic neuritis, cytomegalovirus infectivity, apoptosis, lumbago, psoriasis, eczema, acne, burns, dermatitis, ultraviolet radiation damage, allergic rhinitis, respiratory distress syndrome, and endotoxin shock syndrome.

66. (Previously Presented) The method of claim 50 , wherein the method is used to treat an indication in which anti-inflammatory agents, anti-angiogenesis agents, antitumorigenic agents, immunosuppressive agents, NSAIDs, COX-2 inhibitors, analgesic agents, anti-thrombotic agents, narcotics, or antifebrile agents are typically used.

67. (Previously Presented) The method of claim 50, wherein said subject is a human.

68. (Currently Amended) The method of claim 50, wherein said ~~composition~~ pharmaceutical dosage form additionally comprising at least one non-meloxicam active agent selected from the group consisting of proteins, peptides, nucleotides, anti-obesity drugs, nutraceuticals, dietary supplements, carotenoids, corticosteroids, elastase inhibitors, anti-fungals, alkylxanthine, oncology therapies, anti-emetics, analgesics, opioids, antipyretics, cardiovascular agents, anti-inflammatory agents, anthelmintics, anti-arrhythmic agents, antibiotics, anticoagulants, antidepressants, antidiabetic agents, antiepileptics, antihistamines, antihypertensive agents, antimuscarinic agents, antimycobacterial agents, antineoplastic agents, immunosuppressants, antithyroid agents, antiviral agents, anxiolytics, sedatives, astringents, beta-adrenoceptor blocking agents, blood products, blood substitutes, cardiac inotropic agents, contrast media, corticosteroids, cough suppressants, diagnostic agents, diagnostic imaging agents, diuretics, dopaminergics, haemostatics, immunological agents, lipid regulating agents, muscle relaxants, parasympathomimetics, parathyroid calcitonin and biphosphonates, prostaglandins, radio- pharmaceuticals, sex hormones, anti-allergic agents, stimulants, anoretics,

sympathomimetics, thyroid agents, Mu receptor antagonists, Kappa receptor antagonists, non-narcotic analgesics, monoamine uptake inhibitors, adenosine regulating agents, cannabinoid derivatives, Substance P antagonists, neurokinin-1 receptor antagonists, and sodium channel blockers.

69. (Previously Presented) The method of claim 68, wherein said nutraceutical is selected from the group consisting of lutein, folic acid, fatty acids, fruit extracts, vegetable extracts, vitamin supplements, mineral supplements, phosphatidylserine, lipoic acid, melatonin, glucosamine/chondroitin, Aloe Vera, Guggul, glutamine, amino acids, green tea, lycopene, whole foods, food additives, herbs, phytonutrients, antioxidants, flavonoid constituents of fruits, evening primrose oil, flax seeds, fish oils, marine animal oils, and probiotics.

70. (Previously Presented) The method of claim 68, wherein said anti-inflammatory agent is a COX-2 inhibitor selected from the group consisting of celecoxib, rofecoxib, valdecoxib, parecoxib, MK-966, etoricoxib, 4-[5-(4-chlorophenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl)] benzenesulfonamide, N-(2-cyclohexyloxy-4-nitrophenyl)methane sulfonamide, methyl sulfone spiro(2.4)hept-5-ene I, SC-57666, celexcoxib, SC-558, SC-560, etodolac, 5,5-dimethyl-3-(3-fluorophenyl)-4-(4-methylsulfonyl)phenyl 2(5H)-furanone, MK-476, L-745337, L-761066, L-761000, L-748780, L-748731, 5-Bromo-2-(4-fluorophenyl)-3-(4-(methylsulfonyl)phenyl, 1-(7-tert.-butyl-2,3-dihydro-3,3-dimethylbenzo(b)furan-5-yl)-4-cyclopropylbutan-1-one, 3-formylamino-7-methylsulfonylamino-6-phenoxy-4H-1- benzopyran-4-one, BF 389, PD 136005, PD 142893, PD 145065, flurbiprofen, nimesulide, nabumetone, flosulide, piroxicam, dicofenac, COX-189, D 1367, 4 nitro 2 phenoxymethane sulfonanilide, (3 benzoyldifluoromethane sulfonanilide, diflumidone), JTE-522, 4'-Acetyl-2'-(2,4-difluorophenoxy)methanesulfonanilide, FK 867, FR 115068, GR 253035, RWJ 63556, RWJ 20485, ZK 38997, (E)-(5)-(3,5-di-tert-butyl-4-hydroxybenzylidene)-2-ethyl-1,2-isothiazolidine-1,1-dioxide indomethacin, CL 1004, RS 57067, RS 104894, SC 41930, SB 205312, SKB 209670, and Ono 1078.

71. (Previously Presented) The method of claim 68, wherein said non-meloxicam active agent is selected from the group consisting of aceclofenac, acemetacin, e-acetamidocaproic acid, acetaminophen, acetaminosalol, acetanilide, acetylsalicylic acid, S-adenosylmethionine, alclofenac, alfentanil, allylprodine, alminoprofen, aloxiprin, alphaprodine, aluminum bis(acetylsalicylate), amfenac, aminochlorthenoxazin, 3-amino-4-hydroxybutyric acid, 2-amino-4-picoline, aminopropylon, aminopyrine, amixetrine, ammonium salicylate, ampiroxicam, amtolmetin guacil, anileridine, antipyrine, antipyrine salicylate, antrafenine, apazone, bendazac, benorylate, benoxaprofen, benzpiperylon, benzydamine, benzylmorphine, bermoprofen, bezitramide, -bisabolol, bromfenac, p-bromoacetanilide, 5-bromosalicylic acid acetate, bromosaligenin, bucetin, bucloxic acid, bucolome, bufexamac, bumadizon, buprenorphine, butacetin, butibufen, butophanol, calcium acetylsalicylate, carbamazepine, carbiphene, carprofen, carsalam, chlorobutanol, chlorthenoxazin, choline salicylate, cinchophen, cinmetacin, ciramadol, clidanac, clometacin, clonitazene, clonixin, clopirac, clove, codeine, codeine methyl bromide, codeine phosphate, codeine sulfate, cropropamide, crotethamide, desomorphine, dexoxadrol, dextromoramide, dezocine, diampromide, diclofenac sodium, difenamizole, difenpiramide, diflunisal, dihydrocodeine, dihydrocodeinone enol acetate, dihydromorphine, dihydroxyaluminum acetylsalicylate, dimenoxadol, dimepheptanol, dimethylthiambutene, dioxaphetyl butyrate, dipipanone, diprocetyl, dipyrone, ditazol, droxicam, emorfazone, enfenamic acid, epirizole, eptazocine, etersalate, ethenzamide, ethoheptazine, ethoxazene, ethylmethylthiambutene, ethylmorphine, etodolac, etofenamate, etonitazene, eugenol, felbinac, fenbufen, fenclozic acid, fendosal, fenoprofen, fentanyl, fentiazac, fepradinol, feprazone, floctafenine, flufenamic acid, flunoxaprofen, fluoresone, flupirtine, fluproquazone, flurbiprofen, fosfosal, gentisic acid, glafenine, glucametacin, glycol salicylate, guaiazulene, hydrocodone, hydromorphone, hydroxypethidine, ibufenac, ibuprofen, ibuproxam, imidazole salicylate, indomethacin, indoprofen, isofezolac, isoladol, isomethadone, isonixin, isoxepac, isoxicam, ketobemidone, ketoprofen, ketorolac, p-lactophenetide, lefetamine, levorphanol, lofentanil, lonazolac, lomoxicam, loxoprofen, lysine acetylsalicylate, magnesium acetylsalicylate,

meclofenamic acid, mefenamic acid, meperidine, meptazinol, mesalamine, metazocine, methadone hydrochloride, methotrimeprazine, metiazinic acid, metofoline, metopon, mofebutazone, mofezolac, morazone, morphine, morphine hydrochloride, morphine sulfate, morpholine salicylate, myrophine, nabumetone, nalbuphine, 1-naphthyl salicylate, naproxen, narceine, nefopam, nicomorphine, nifenazone, niflumic acid, nimesulide, 5'-nitro-2'-propoxyacetanilide, norlevorphanol, normethadone, normorphine, norpipanone, olsalazine, opium, oxaceprol, oxametacine, oxaprozin, oxycodone, oxymorphone, oxyphenbutazone, papaveretum, paranyline, parsalmide, pentazocine, perisoxal, phenacetin, phenadoxone, phenazocine, phenazopyridine hydrochloride, phenocoll, phenoperidine, phenopyrazone, phenyl acetylsalicylate, phenylbutazone, phenyl salicylate, phenyramidol, piketoprofen, piminodine, pipebuzone, piperylone, piprofen, pirazolac, piritramide, piroxicam, pranoprofen, proglumetacin, proheptazine, promedol, propacetamol, propiram, propoxyphene, propyphenazone, proquazone, protizinic acid, ramifenazone, remifentanil, rimazolium metilsulfate, salacetamide, salicin, salicylamide, salicylamide o-acetic acid, salicylsulfuric acid, salsalte, salverine, simetride, sodium salicylate, sufentanil, sulfasalazine, sulindac, superoxide dismutase, suprofen, suxibuzone, talniflumate, tenidap, tenoxicam, terofenamate, tetrandrine, thiazolinobutazone, tiaprofenic acid, tiaramide, tilidine, tinoridine, tolfenamic acid, tolmetin, tramadol, tropesin, viminol, xenbucin, ximoprofen, zaltoprofen, and zomepirac.

72. (Currently Amended) The method of any of claims 68, 69, 70, or 71, wherein at least one non-meloxicam active agent has an effective average particle size of less than ~~about~~ 2 microns.

73. (Cancelled)

74. (New) A pharmaceutical dosage form suitable for intravenous injection comprising:

(a) a liquid dispersion medium;

(b) particles of meloxicam or a salt thereof having an effective average particle size of less than 2000 nm;

(b) at least one surface stabilizer adsorbed on the surface of the meloxicam particles selected from the group consisting of an anionic surface stabilizer, a cationic surface stabilizer, and an ionic surface stabilizer, wherein the surface stabilizer is essentially free of intermolecular cross-linkages.

75. (New) The pharmaceutical dosage form of claim 74, wherein the meloxicam is selected from the group consisting of a crystalline phase, an amorphous phase, and a semi-crystalline phase.

76. (New) The pharmaceutical dosage form of claim 74, wherein the effective average particle size of the nanoparticulate meloxicam particles is selected from the group consisting of less than 1500 nm, less than 1000 nm, less than 900 nm, less than 800 nm, less than 700 nm, less than 600 nm, less than 500 nm, less than 400 nm, less than 300 nm, less than 250 nm, less than 200 nm, less than 100 nm, less than 75 nm, and less than 50 nm.

77. (New) The pharmaceutical dosage form of claim 74, wherein the pharmaceutical dosage form further comprises one or more pharmaceutically acceptable excipients, carriers, or a combination thereof.

78. (New) The pharmaceutical dosage form of claim 74, wherein the meloxicam is present in an amount selected from the group consisting of from 99.5% to 0.001%, from 95% to 0.1%, and from 90% to 0.5%, by weight, based on the total combined weight of the meloxicam and at least one surface stabilizer, not including other excipients.

79. (New) The pharmaceutical dosage form of claim 74, wherein the at least one surface stabilizer is present in an amount selected from the group consisting of from 0.01% to 99.5% by weight, from 0.1% to 95% by weight, and from 0.5% to 90% by weight, based on the

total combined dry weight of meloxicam and at least one surface stabilizer, not including other excipients.

80. (New) The pharmaceutical dosage form of claim 74, wherein the at least one surface stabilizer is selected from the group consisting of cetyl pyridinium chloride, gelatin, casein, phosphatides, dextran, glycerol, gum acacia, cholesterol, tragacanth, stearic acid, benzalkonium chloride, calcium stearate, glycerol monostearate, cetostearyl alcohol, cetomacrogol emulsifying wax, sorbitan esters, sodium deoxycholate, polyoxyethylene alkyl ethers, polyoxyethylene castor oil derivatives, polyoxyethylene sorbitan fatty acid esters, polyethylene glycols, dodecyl trimethyl ammonium bromide, polyoxyethylene stearates, colloidal silicon dioxide, phosphates, sodium dodecylsulfate, carboxymethylcellulose calcium, hydroxypropyl celluloses, hydroxypropyl methylcellulose, carboxymethylcellulose sodium, methylcellulose, hydroxyethylcellulose, hydroxypropylmethyl-cellulose phthalate, noncrystalline cellulose, magnesium aluminum silicate, triethanolamine, polyvinyl alcohol, polyvinylpyrrolidone, 4-(1,1,3,3-tetramethylbutyl)-phenol polymer with ethylene oxide and formaldehyde, poloxamers; poloxamines, a charged phospholipid, dioctylsulfosuccinate, dialkylesters of sodium sulfosuccinic acid, sodium lauryl sulfate, alkyl aryl polyether sulfonates, mixtures of sucrose stearate and sucrose distearate, $C_{18}H_{37}CH_2C(O)N(CH_3)$-$CH_2(CHOH)_4(CH2OH)_2$, p-isononylphenoxypoly-(glycidol), decanoyl-N-methylglucamide; n-decyl -D-glucopyranoside; n-decyl -D-maltopyranoside; n-dodecyl -D-glucopyranoside; n-dodecyl -D-maltoside; heptanoyl-N-methylglucamide; n-heptyl--D-glucopyranoside; n-heptyl -D-thioglucoside; n-hexyl -D-glucopyranoside; nonanoyl-N-methylglucamide; n-noyl -D-glucopyranoside; octanoyl-N-methylglucamide; n-octyl--D-glucopyranoside; octyl -D-thioglucopyranoside; lysozyme, PEG-phospholipid, PEG-cholesterol, PEG-cholesterol derivative, PEG-vitamin A, PEG-vitamin E, and random copolymers of vinyl acetate and vinyl pyrrolidone.

81. (New) The pharmaceutical dosage form of claim 74, wherein at least one cationic surface stabilizer is selected from the group consisting of a polymer, a biopolymer, a polysaccharide, a cellulosic, an alginate, a nonpolymeric compound, and a phospholipid.

82. (New) The pharmaceutical dosage form of claim 74, wherein the surface stabilizer is selected from the group consisting of cationic lipids, polymethylmethacrylate trimethylammonium bromide, sulfonium compounds, polyvinylpyrrolidone-2-dimethylaminoethyl methacrylate dimethyl sulfate, hexadecyltrimethyl ammonium bromide, phosphonium compounds, quarternary ammonium compounds, benzyl-di(2-chloroethyl)ethylammonium bromide, coconut trimethyl ammonium chloride, coconut trimethyl ammonium bromide, coconut methyl dihydroxyethyl ammonium chloride, coconut methyl dihydroxyethyl ammonium bromide, decyl triethyl ammonium chloride, decyl dimethyl hydroxyethyl ammonium chloride, decyl dimethyl hydroxyethyl ammonium chloride bromide, C_{12-15}dimethyl hydroxyethyl ammonium chloride, C_{12-15}dimethyl hydroxyethyl ammonium chloride bromide, coconut dimethyl hydroxyethyl ammonium chloride, coconut dimethyl hydroxyethyl ammonium bromide, myristyl trimethyl ammonium methyl sulphate, lauryl dimethyl benzyl ammonium chloride, lauryl dimethyl benzyl ammonium bromide, lauryl dimethyl (ethenoxy)$_4$ ammonium chloride, lauryl dimethyl (ethenoxy)$_4$ ammonium bromide, N-alkyl (C_{12-18})dimethylbenzyl ammonium chloride, N-alkyl (C_{14-18})dimethyl-benzyl ammonium chloride, N-tetradecylidmethylbenzyl ammonium chloride monohydrate, dimethyl didecyl ammonium chloride, N-alkyl and (C_{12-14}) dimethyl 1-napthylmethyl ammonium chloride, trimethylammonium halide, alkyl-trimethylammonium salts, dialkyl-dimethylammonium salts, lauryl trimethyl ammonium chloride, ethoxylated alkyamidoalkyldialkylammonium salt, an ethoxylated trialkyl ammonium salt, dialkylbenzene dialkylammonium chloride, N-didecyldimethyl ammonium chloride, N-tetradecyldimethylbenzyl ammonium, chloride monohydrate, N-alkyl(C_{12-14}) dimethyl 1-naphthylmethyl ammonium chloride, dodecyldimethylbenzyl ammonium chloride, dialkyl benzenealkyl ammonium chloride, lauryl

trimethyl ammonium chloride, alkylbenzyl methyl ammonium chloride, alkyl benzyl dimethyl ammonium bromide, C_{12} trimethyl ammonium bromides, C_{15} trimethyl ammonium bromides, C_{17} trimethyl ammonium bromides, dodecylbenzyl triethyl ammonium chloride, poly-diallyldimethylammonium chloride (DADMAC), dimethyl ammonium chlorides, alkyldimethylammonium halogenides, tricetyl methyl ammonium chloride, decyltrimethylammonium bromide, dodecyltriethylammonium bromide, tetradecyltrimethylammonium bromide, methyl trioctylammonium chloride, polyquaternium 10, tetrabutylammonium bromide, benzyl trimethylammonium bromide, choline esters, benzalkonium chloride, stearalkonium chloride compounds, cetyl pyridinium bromide, cetyl pyridinium chloride, halide salts of quaternized polyoxyethylalkylamines, quaternized ammonium salt polymers, alkyl pyridinium salts; amines, amine salts, amine oxides, imide azolinium salts, protonated quaternary acrylamides, methylated quaternary polymers, and cationic guar.

83. (New) The pharmaceutical dosage form of claim 74, wherein the C_{max} of the pharmaceutical dosage form, when assayed in the plasma of the mammalian subject, is selected from the group consisting of greater than 1 g/mL, greater than 3 g/mL, greater than 5 g/mL, greater than 10 g/mL, and greater than 15 g/mL.

84. (New) The pharmaceutical dosage form of claim 74, additionally comprising a meloxicam composition having an effective average particle size which is greater than 2 microns.

85. (New) The pharmaceutical dosage form of claim 74, additionally comprising at least one additional nanoparticulate meloxicam composition, having an effective average particle size of less than 2 microns, wherein said additional nanoparticulate meloxicam composition has an effective average particle size which is different than particle size of the pharmaceutical dosage form of claim 74.

86. (New) The pharmaceutical dosage form of claim 74, additionally comprising at least one non-meloxicam active agent selected from the group consisting of proteins, peptides, nucleotides, anti-obesity drugs, nutraceuticals, dietary supplements, carotenoids, corticosteroids, elastase inhibitors, anti-fungals, alkylxanthine, oncology therapies, anti-emetics, analgesics, opioids, antipyretics, cardiovascular agents, anti-inflammatory agents, anthelmintics, anti-arrhythmic agents, antibiotics, anticoagulants, antidepressants, antidiabetic agents, antiepileptics, antihistamines, antihypertensive agents, antimuscarinic agents, antimycobacterial agents, antineoplastic agents, immunosuppressants, antithyroid agents, antiviral agents, anxiolytics, sedatives, astringents, beta-adrenoceptor blocking agents, blood products, blood substitutes, cardiac inotropic agents, contrast media, corticosteroids, cough suppressants, diagnostic agents, diagnostic imaging agents, diuretics, dopaminergics, haemostatics, immunological agents, lipid regulating agents, muscle relaxants, parasympathomimetics, parathyroid calcitonin and biphosphonates, prostaglandins, radio- pharmaceuticals, sex hormones, anti-allergic agents, stimulants, anoretics, sympathomimetics, thyroid agents, Mu receptor antagonists, Kappa receptor antagonists, non-narcotic analgesics, monoamine uptake inhibitors, adenosine regulating agents, cannabinoid derivatives, Substance P antagonists, neurokinin-1 receptor antagonists, and sodium channel blockers.

87. (New) A pharmaceutical dosage form suitable for intravenous injection comprising:

(a) a liquid dispersion medium;

(b) particles of meloxicam or a salt thereof having an effective average particle size of less than 2000 nm;

(b) at least one surface stabilizer adsorbed on the surface of the meloxicam particles, wherein the surface stabilizer is essentially free of intermolecular cross-linkages.

88. (New) The pharmaceutical dosage form of claim 74, wherein the meloxicam is selected from the group consisting of a crystalline phase, an amorphous phase, and a semi-crystalline phase.

89. (New) The pharmaceutical dosage form of claim 87, wherein the surface stabilizer is selected from the group consisting of an anionic surface stabilizer, a cationic surface stabilizer, and an ionic surface stabilizer

90. (New) The pharmaceutical dosage form of claim 87, wherein the effective average particle size of the nanoparticulate meloxicam particles is selected from the group consisting of less than 1500 nm, less than 1000 nm, less than 900 nm, less than 800 nm, less than 700 nm, less than 600 nm, less than 500 nm, less than 400 nm, less than 300 nm, less than 250 nm, less than 200 nm, less than 100 nm, less than 75 nm, and less than 50 nm.

91. (New) The pharmaceutical dosage form of claim 87, wherein the pharmaceutical dosage form further comprises one or more pharmaceutically acceptable excipients, carriers, or a combination thereof.

92. (New) The pharmaceutical dosage form of claim 87, wherein the meloxicam is present in an amount selected from the group consisting of from 99.5% to 0.001%, from 95% to 0.1%, and from 90% to 0.5%, by weight, based on the total combined weight of the meloxicam and at least one surface stabilizer, not including other excipients.

93. (New) The pharmaceutical dosage form of claim 87, wherein the at least one surface stabilizer is present in an amount selected from the group consisting of from 0.01% to 99.5% by weight, from 0.1% to 95% by weight, and from 0.5% to 90% by weight, based on the total combined dry weight of meloxicam and at least one surface stabilizer, not including other excipients.

94. (New) The pharmaceutical dosage form of claim 87, wherein the at least one surface stabilizer is selected from the group consisting of cetyl pyridinium chloride, gelatin, casein, phosphatides, dextran, glycerol, gum acacia, cholesterol, tragacanth, stearic acid, benzalkonium chloride, calcium stearate, glycerol monostearate, cetostearyl alcohol, cetomacrogol emulsifying wax, sorbitan esters, sodium deoxycholate, polyoxyethylene alkyl ethers, polyoxyethylene castor oil derivatives, polyoxyethylene sorbitan fatty acid esters, polyethylene glycols, dodecyl trimethyl ammonium bromide, polyoxyethylene stearates, colloidal silicon dioxide, phosphates, sodium dodecylsulfate, carboxymethylcellulose calcium, hydroxypropyl celluloses, hydroxypropyl methylcellulose, carboxymethylcellulose sodium, methylcellulose, hydroxyethylcellulose, hydroxypropylmethyl-cellulose phthalate, noncrystalline cellulose, magnesium aluminum silicate, triethanolamine, polyvinyl alcohol, polyvinylpyrrolidone, 4-(1,1,3,3-tetramethylbutyl)-phenol polymer with ethylene oxide and formaldehyde, poloxamers; poloxamines, a charged phospholipid, dioctylsulfosuccinate, dialkylesters of sodium sulfosuccinic acid, sodium lauryl sulfate, alkyl aryl polyether sulfonates, mixtures of sucrose stearate and sucrose distearate, $C_{18}H_{37}CH_2C(O)N(CH_3)$-$CH_2(CHOH)_4(CH2OH)_2$, p-isononylphenoxypoly-(glycidol), decanoyl-N-methylglucamide; n-decyl -D-glucopyranoside; n-decyl -D-maltopyranoside; n-dodecyl -D-glucopyranoside; n-dodecyl -D-maltoside; heptanoyl-N-methylglucamide; n-heptyl--D-glucopyranoside; n-heptyl -D-thioglucoside; n-hexyl -D-glucopyranoside; nonanoyl-N-methylglucamide; n-noyl -D-glucopyranoside; octanoyl-N-methylglucamide; n-octyl--D-glucopyranoside; octyl -D-thioglucopyranoside; lysozyme, PEG-phospholipid, PEG-cholesterol, PEG-cholesterol derivative, PEG-vitamin A, PEG-vitamin E, and random copolymers of vinyl acetate and vinyl pyrrolidone.

95. (New) The pharmaceutical dosage form of claim 87, wherein at least one cationic surface stabilizer is selected from the group consisting of a polymer, a biopolymer, a polysaccharide, a cellulosic, an alginate, a nonpolymeric compound, and a phospholipid.

96. (New) The pharmaceutical dosage form of claim 87, wherein the surface stabilizer is selected from the group consisting of cationic lipids, polymethylmethacrylate trimethylammonium bromide, sulfonium compounds, polyvinylpyrrolidone-2-dimethylaminoethyl methacrylate dimethyl sulfate, hexadecyltrimethyl ammonium bromide, phosphonium compounds, quarternary ammonium compounds, benzyl-di(2-chloroethyl)ethylammonium bromide, coconut trimethyl ammonium chloride, coconut trimethyl ammonium bromide, coconut methyl dihydroxyethyl ammonium chloride, coconut methyl dihydroxyethyl ammonium bromide, decyl triethyl ammonium chloride, decyl dimethyl hydroxyethyl ammonium chloride, decyl dimethyl hydroxyethyl ammonium chloride bromide, C_{12-15}dimethyl hydroxyethyl ammonium chloride, C_{12-15}dimethyl hydroxyethyl ammonium chloride bromide, coconut dimethyl hydroxyethyl ammonium chloride, coconut dimethyl hydroxyethyl ammonium bromide, myristyl trimethyl ammonium methyl sulphate, lauryl dimethyl benzyl ammonium chloride, lauryl dimethyl benzyl ammonium bromide, lauryl dimethyl (ethenoxy)$_4$ ammonium chloride, lauryl dimethyl (ethenoxy)$_4$ ammonium bromide, N-alkyl (C_{12-18})dimethylbenzyl ammonium chloride, N-alkyl (C_{14-18})dimethyl-benzyl ammonium chloride, N-tetradecylidmethylbenzyl ammonium chloride monohydrate, dimethyl didecyl ammonium chloride, N-alkyl and (C_{12-14}) dimethyl 1-napthylmethyl ammonium chloride, trimethylammonium halide, alkyl-trimethylammonium salts, dialkyl-dimethylammonium salts, lauryl trimethyl ammonium chloride, ethoxylated alkyamidoalkyldialkylammonium salt, an ethoxylated trialkyl ammonium salt, dialkylbenzene dialkylammonium chloride, N-didecyldimethyl ammonium chloride, N-tetradecyldimethylbenzyl ammonium, chloride monohydrate, N-alkyl(C_{12-14}) dimethyl 1-naphthylmethyl ammonium chloride, dodecyldimethylbenzyl ammonium chloride, dialkyl benzenealkyl ammonium chloride, lauryl trimethyl ammonium chloride, alkylbenzyl methyl ammonium chloride, alkyl benzyl dimethyl ammonium bromide, C_{12} trimethyl ammonium bromides, C_{15} trimethyl ammonium bromides, C_{17} trimethyl ammonium bromides, dodecylbenzyl triethyl ammonium chloride, poly-

diallyldimethylammonium chloride (DADMAC), dimethyl ammonium chlorides, alkyldimethylammonium halogenides, tricetyl methyl ammonium chloride, decyltrimethylammonium bromide, dodecyltriethylammonium bromide, tetradecyltrimethylammonium bromide, methyl trioctylammonium chloride, polyquaternium 10, tetrabutylammonium bromide, benzyl trimethylammonium bromide, choline esters, benzalkonium chloride, stearalkonium chloride compounds, cetyl pyridinium bromide, cetyl pyridinium chloride, halide salts of quaternized polyoxyethylalkylamines, quaternized ammonium salt polymers, alkyl pyridinium salts; amines, amine salts, amine oxides, imide azolinium salts, protonated quaternary acrylamides, methylated quaternary polymers, and cationic guar.

97. (New) The pharmaceutical dosage form of claim 87, wherein the C_{max} of the pharmaceutical dosage form, when assayed in the plasma of the mammalian subject, is selected from the group consisting of greater than 1 g/mL, greater than 3 g/mL, greater than 5 g/mL, greater than 10 g/mL, and greater than 15 g/mL.

98. (New) The pharmaceutical dosage form of claim 87, additionally comprising a meloxicam composition having an effective average particle size which is greater than 2 microns.

99. (New) The pharmaceutical dosage form of claim 87, additionally comprising at least one additional nanoparticulate meloxicam composition, having an effective average particle size of less than 2 microns, wherein said additional nanoparticulate meloxicam composition has an effective average particle size which is different than particle size of the pharmaceutical dosage form of claim 74.

100. (New) The pharmaceutical dosage form of claim 87, additionally comprising at least one non-meloxicam active agent selected from the group consisting of proteins, peptides, nucleotides, anti-obesity drugs, nutraceuticals, dietary supplements, carotenoids, corticosteroids, elastase inhibitors, anti-fungals, alkylxanthine, oncology therapies, anti-emetics, analgesics,

opioids, antipyretics, cardiovascular agents, anti-inflammatory agents, anthelmintics, anti-arrhythmic agents, antibiotics, anticoagulants, antidepressants, antidiabetic agents, antiepileptics, antihistamines, antihypertensive agents, antimuscarinic agents, antimycobacterial agents, antineoplastic agents, immunosuppressants, antithyroid agents, antiviral agents, anxiolytics, sedatives, astringents, beta-adrenoceptor blocking agents, blood products, blood substitutes, cardiac inotropic agents, contrast media, corticosteroids, cough suppressants, diagnostic agents, diagnostic imaging agents, diuretics, dopaminergics, haemostatics, immunological agents, lipid regulating agents, muscle relaxants, parasympathomimetics, parathyroid calcitonin and biphosphonates, prostaglandins, radio- pharmaceuticals, sex hormones, anti-allergic agents, stimulants, anoretics, sympathomimetics, thyroid agents, Mu receptor antagonists, Kappa receptor antagonists, non-narcotic analgesics, monoamine uptake inhibitors, adenosine regulating agents, cannabinoid derivatives, Substance P antagonists, neurokinin-1 receptor antagonists, and sodium channel blockers.